

Errors that occur during initial processing (at CPU Unit power ON or restart of the Loop Control Unit)

LED			Item	Cause	State	Error code (stored as error log data)	Remedy
RUN	ERH	ERC					
Out	Lit	Out	Unit number setting error	1) The same unit number has been specified twice or more on the same CPU Unit.	All functions stopped	None	1) Set the correct unit number, and turn the power back ON again.
				2) The unit number is not registered to CPU Unit I/O table.		0006 detailed code: 0800	2) Prepare an I/O table.
				3) Failed to recognize the CPU Unit		None	3) Replace the Loop Control Unit if ERH lights even if mounted on a different CPU Unit.
				4) Error occurred during initial processing on CPU Unit.		000F	4) Refer to the <i>CPU Unit Operation Manual</i> .
Out	Lit	Lit	Initial recognition error	Failed to recognize the CPU Unit	All functions stopped	None	Replace the Loop Control Unit if ERH/ERC light even if mounted on a different CPU Unit.
Out	Out	Lit	Unit error	Hardware malfunction such as memory malfunction was detected during the self-diagnostic test.	All functions stopped	None	Replace the Loop Control Unit if ERC lights even if mounted on a different CPU Unit.
Out	Out	Out	Power supply failure	1) The correct internal power is not being supplied to the Loop Control Unit.	All functions stopped	None	1) Check the power voltage, and supply the correct power. Or, check the total current consumption of the PC.
				2) The unit is not properly fixed to the Backplane.			2) Firmly fix the Loop Control Unit on the Backplane.
				3) The unit is malfunctioning.			3) Replace the Loop Control Unit if LED goes off even if mounted on a different CPU Unit.
(not related)	(not related)	Lit	Function block database error	1) Drop in internal battery power voltage or battery not mounted (Only when DIP switch pin 2 is OFF)	All functions stopped Running stopped	0331 Detailed code: Block address. FFFF indicates that the entire database is in error.	1) Check the battery connection. If the connection is normal, replace the battery. Then execute initialization using CX-Process Tool.
				2) Data corruption caused by noise	In the case of only a partial error, running is stopped only at the function block in question.		2) Set the data again to the function block in question using CX-Process Tool.

Error that occur during regular running

LED			Item	Cause	State	Error code (stored as error log data)	Remedy
RUN	ERH	ERC					
Lit	Out	Out	Normal	CPU Unit running		None	
Out	Out	Out	Normal or load rate exceeded at operation cycle of two seconds	Running stopped One of the following:		None	
				• Regular running stop			
				• Fatal error on CPU Unit	Running stopped		Cancel the fatal error referring to the CPU Unit Operation Manual.
				• CPU Unit in standby mode			Cancel the standby mode referring to the CPU Unit Operation Manual.
				• Load rate exceeded at operation cycle of 2s (Operation Cycle Automatic Switching Generation flag is ON)	1) Running stopped 2) ITEM068 of System Common block is 1 (ON).		Add on another Loop Control Unit, and distribute processing between Loop Control Units.
(not related)	(not related)	Lit	Function block database error	Data corruption caused by noise	1) Running stopped 2) In the case of only a partial error, operation is stopped only at the function block in question.	0331 Detailed code: Block address. FFFF indicates that the entire database is in error.	Execute initialization using CX-Process Tool. Set the data again to the function block in question using CX-Process Tool.
(not related)	(not related)	Blinking	Battery error	Battery not mounted or drop in internal battery power voltage (Only when DIP switch pin 2 is OFF)	Running continued	0330	Check the battery connection. If the connection is normal, replace the battery.
(not related)	Lit	(not related)	CPU Unit error	One of the following errors occurred on the CPU Unit: 1) WDT error 2) Cyclic monitoring error 3) Bus error	Running stopped	1) 0001 2) 0002 3) 000E	Refer to the <i>CPU Unit Operation Manual</i> .